

Title (en)

Method, system, and apparatus for identifying unresponsive portions of a computer program

Title (de)

Verfahren, System und Vorrichtung zur Identifizierung von teilnahmslosen Abschnitten eines Rechnerprogramms

Title (fr)

Procédé, système et dispositif pour identifier les portions non répondantes dans un programme informatique

Publication

EP 1650661 A2 20060426 (EN)

Application

EP 05104449 A 20050525

Priority

US 95536504 A 20040930

Abstract (en)

A method, system, and apparatus are provided for identifying unresponsive portions of a computer program. According to the method, program code that can potentially result in unresponsive behavior is wrapped in timers. A timer is started on a background thread at the beginning of the execution of a section of program code. The timer is set to expire after a specified threshold period of time has expired. A determination is made as to whether the timer expires during the execution of the section of program code. If the timer expires during the execution of the section of program code, execution is interrupted and the section of program code is identified as unresponsive and system state information is stored for use in diagnosing the computer program and remedying the unresponsive behavior. The actual system state information stored may be defined by a remote control file and may be stored at or around the time the timer expires.

IPC 8 full level

G06F 11/36 (2006.01)

CPC (source: EP KR US)

G06F 11/0748 (2013.01 - EP US); **G06F 11/0757** (2013.01 - EP US); **G06F 11/277** (2013.01 - KR); **G06F 11/362** (2013.01 - EP US)

Citation (applicant)

- US 2003135781 A1 20030717 - DA PALMA WILLIAM V [US], et al
- US 6016466 A 20000118 - GUNTHER THOMAS [US], et al

Citation (examination)

- US 2004139433 A1 20040715 - BLYTHE CHRISTOPHER JAMES [US], et al
- WO 03040919 A2 20030515 - SAP AG [DE], et al
- US 2004040013 A1 20040226 - KALRA MOHIT [IN]

Cited by

US9087074B2; WO2013082256A1

Designated contracting state (EPC)

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EP 05104449 A 20050525; CN 200510099657 A 20050830; JP 2005158820 A 20050531; KR 20050045667 A 20050530; US 95536504 A 20040930